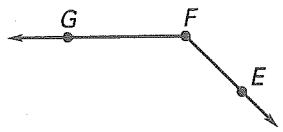
LESSON 1.6

NAME _____ DATE _____

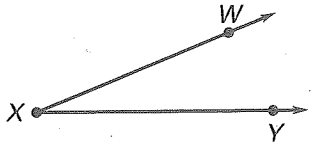
Practice A

For use with pages 34–41

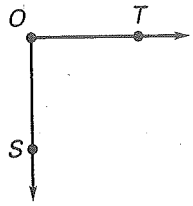
Name the vertex and sides of the angle.

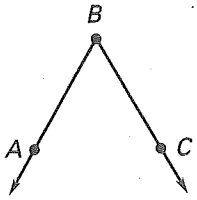
1. 

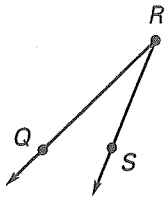
2. 

3. 

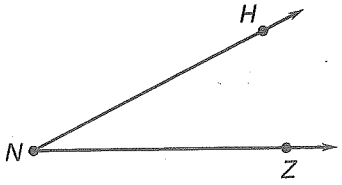
Write two names for the angle.

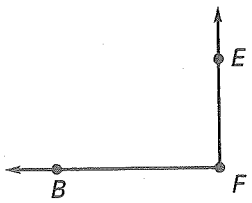
4. 

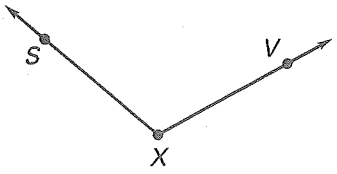
5. 

6. 

Use a protractor to measure the angle to the nearest degree.

7. 

8. 

9. 

Classify the angle as *acute, right, obtuse,* or *straight.*

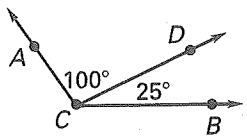
10. $m\angle D = 90°$

11. $m\angle S = 20°$

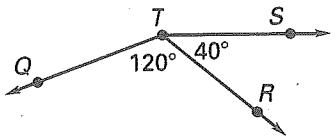
12. $m\angle X = 180°$

13. $m\angle W = 108°$

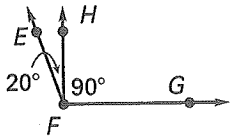
Find the measure of the angle.

14. 

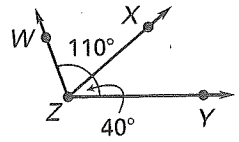
$m\angle ACB =$?

15. 

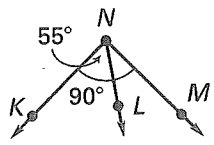
$m\angle QTS =$?

16. 

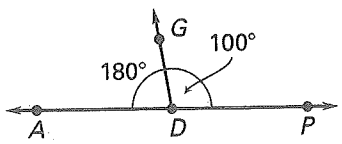
$m\angle EFG =$?

17. 

$m\angle WZX =$?

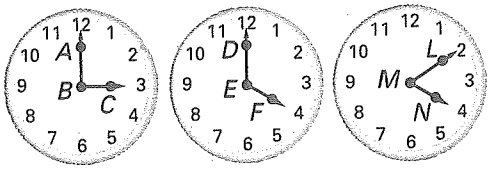
18. 

$m\angle LNM =$?

19. 

$m\angle ADG =$?

Use the clocks at the right to classify the angle as *acute, obtuse, right,* or *straight.*



20. $\angle ABC$ is a(n) ? angle.

21. $\angle DEF$ is a(n) ? angle.

22. $\angle LMN$ is a(n) ? angle.

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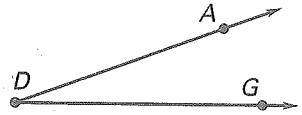
Practice B

For use with pages 34–41

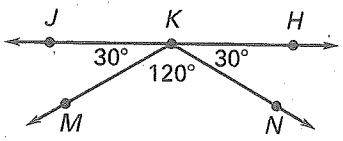
Use a protractor to measure the angle to the nearest degree. Then state whether the angle is *acute, obtuse, right,* or *straight.*

1. 

2. 

3. 

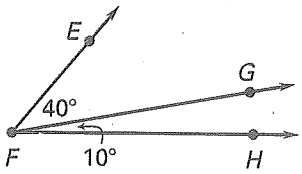
Use the diagram at the right.



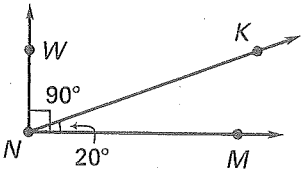
4. Name two acute angles.
5. Name a straight angle.
6. Name two congruent obtuse angles.

Find the measure of the angle.

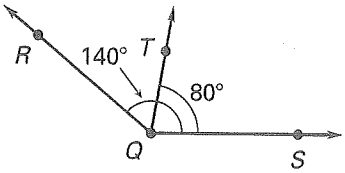
7. Find $m\angle EFH$.



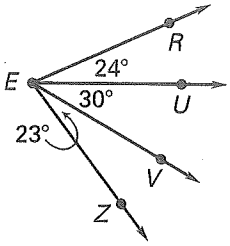
8. Find $m\angle WNK$.



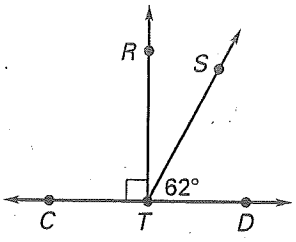
9. Find $m\angle RQT$.



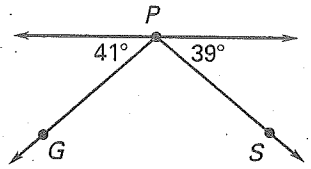
10. Find $m\angle REZ$.



11. Find $m\angle RTS$.



12. Find $m\angle GPS$.



Plot the points and sketch $\angle ABC$. Classify the angle.

13. $A(-3, 3)$, $B(0, 0)$, $C(3, 3)$

14. $A(-2, -3)$, $B(0, 0)$, $C(3, 2)$

The Leaning Tower of Pisa in Italy leans 5.5° to one side as shown in the drawing.

15. What angle does the side of the building make with the ground?

16. Suppose construction engineers correct the amount the building leans by 0.3°. What angle would the building make with the ground?